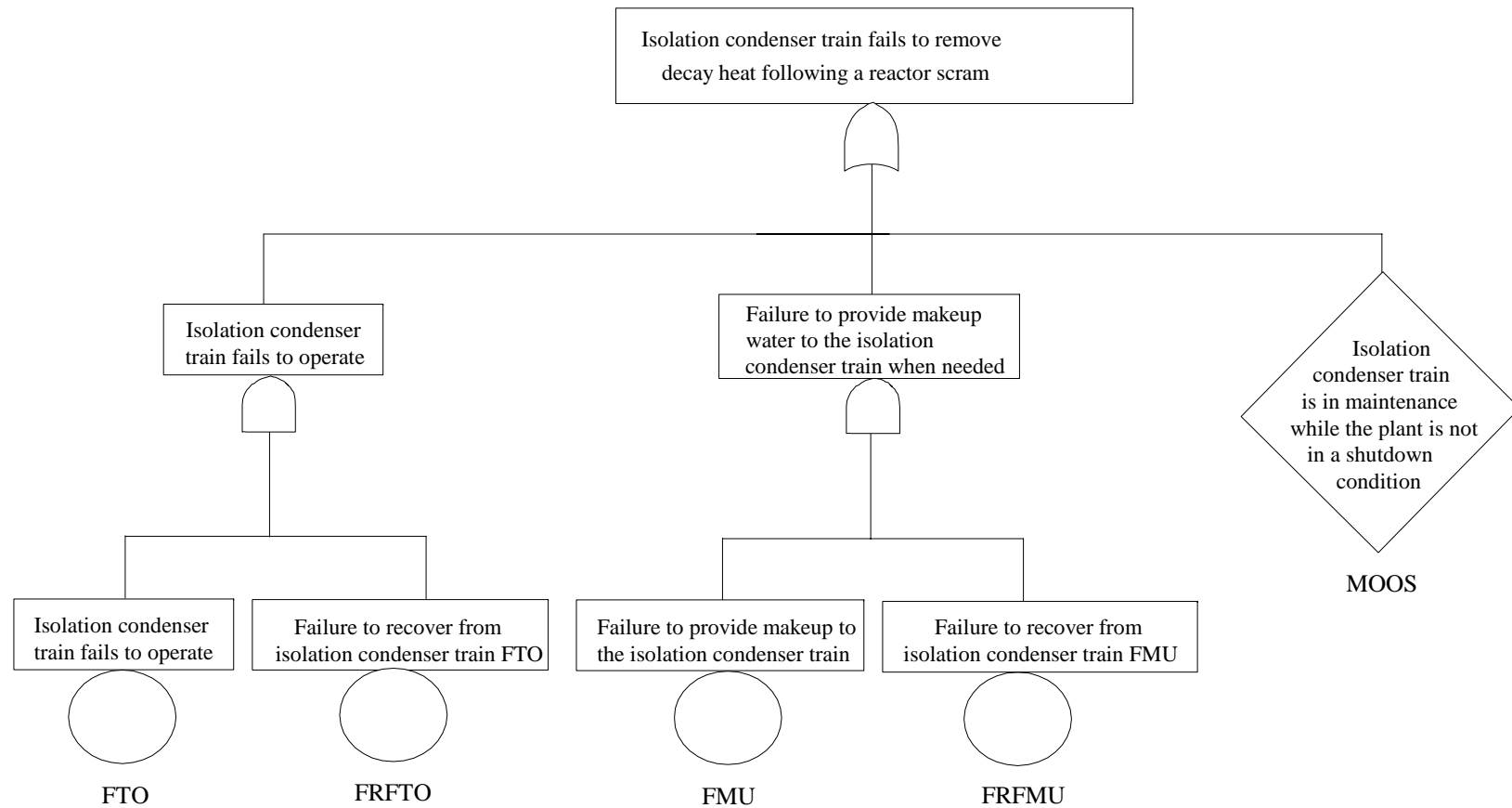


# Isolation Condenser Reliability Study

## 1 IC FAULT TREE

IC train unreliabilities were estimated using a fault tree model, [Figure 1](#), to combine broadly defined failure modes such as failure to operate or failure to provide makeup into an overall IC train unreliability model. The failure probabilities for the individual failure modes were calculated by reviewing the failure information, categorizing each failure event by failure mode and then estimating the corresponding number of demands (both success and failures).



**Figure 1. Fault tree model of isolation condenser train utilized for estimating train unreliability.**